

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/586,026
Source: IFWO
Date Processed by STIC: 7/26/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/586,026

CRF Edit Date: 7/26/06
Edited by: KC

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

J Deleted: J invalid beginning/end-of-file text ; ____ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/586,026

DATE: 07/26/2006
TIME: 17:59:23

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07262006\J586026.raw

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3 <110> APPLICANT: Wu, Wenping
4      Schnorr, Kirk Matthew
6 <120> TITLE OF INVENTION: Fungal cell wall degrading enzyme
8 <130> FILE REFERENCE: 10515.204-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/586,026
C--> 10 <141> CURRENT FILING DATE: 2006-07-13
10 <160> NUMBER OF SEQ ID NOS: 4
12 <170> SOFTWARE: PatentIn version 3.3
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 945
16 <212> TYPE: DNA
17 <213> ORGANISM: Trametes cinnabarina
19 <400> SEQUENCE: 1
20 ggccattacg gcccgggtg cacagacgtc ggtgtccgag cacatcctat ctcactcaag      60
22 cttagaccac ctggggctac gacatgaagc tctctaccac agctctgctt gctattgcgg     120
24 tggcagtggc ctctgcttct cccactcccc agaaggcgtgc caaccccaag ggcattgacg     180
26 tctcggtta ccaacccaac atcaactggaa gcacccgtcaa agccaaacggg atctcggtcg    240
28 catatatcaa ggcaaccgag ggtaccacgt ataccaacccc agacttctcg agccagtata    300
30 caggcgcgac taatgctgga ctcattcggg gcggctacca cttcgcccat cccgactcct    360
32 cttcaggcgc gactcaagcc aagtacttcc tggcccacgg aggtggatgg acaagcgcacg   420
34 gaatcacact tccaggcgct ctcgacatcg agtataaccc tagcggggcg gagtgttatg   480
36 gctaagcgc gtcggcgatg gttcgtgga tcaaagactt ctccaatacc taccactcg      540
38 cgaccggagt ttaccctgtt attacacca ccacggactg gtggacgaca tgcacggca     600
40 acagtgcgc gtttgcgtcg accaaccctc tatggattgc ccgctatgca tcaagcatcg   660
42 gcaccctgcc cgcagggttgg agttatacaa cgttctggca atatgctgac tcggggccga   720
44 accctggta ccaggatgag ttcaatggct cgtatggcagg actgaagcag cttgcgtcg    780
46 ggtgaagtgg gatgtgaggt cgccggagaa gaagcagagt ccaccggcag cagtatccgt  840
48 cgtgtacatc atggtgtcat accatccgaa gacgatactc gagtcgtacg gacaattcgc   900
50 agttcgtaa ctttggaaaaaaa aaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa aaaaaa      945
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 233
55 <212> TYPE: PRT
56 <213> ORGANISM: Trametes cinnabarina
58 <400> SEQUENCE: 2
60 Met Lys Leu Ser Thr Thr Ala Leu Leu Ala Ile Ala Val Ala Val Ala
61 1           5           10          15
64 Ser Ala Ser Pro Thr Pro Glu Lys Arg Ala Asn Pro Lys Gly Ile Asp
65           20          25          30
68 Val Ser Ala Tyr Gln Pro Asn Ile Asn Trp Ser Thr Val Lys Ala Asn
69           35          40          45
72 Gly Ile Ser Phe Ala Tyr Ile Lys Ala Thr Glu Gly Thr Thr Tyr Thr
73           50          55          60
76 Asn Pro Asp Phe Ser Ser Gln Tyr Thr Gly Ala Thr Asn Ala Gly Leu

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Output Set: N:\CRF4\07262006\J586026.raw

77	65	70	75	80
80	Ile Arg Gly Gly Tyr His Phe Ala His Pro Asp Ser Ser Ser Gly Ala			
81	85	90	95	
84	Thr Gln Ala Lys Tyr Phe Leu Ala His Gly Gly Trp Thr Ser Asp			
85	100	105	110	
88	Gly Ile Thr Leu Pro Gly Ala Leu Asp Ile Glu Tyr Asn Pro Ser Gly			
89	115	120	125	
92	Ala Glu Cys Tyr Gly Leu Ser Ala Ser Ala Met Val Ser Trp Ile Lys			
93	130	135	140	
96	Asp Phe Ser Asn Thr Tyr His Ser Ser Thr Gly Val Tyr Pro Val Ile			
97	145	150	155	160
100	Tyr Thr Thr Asp Trp Trp Thr Cys Thr Gly Asn Ser Ala Ala			
101	165	170	175	
104	Phe Ala Ser Thr Asn Pro Leu Trp Ile Ala Arg Tyr Ala Ser Ser Ile			
105	180	185	190	
108	Gly Thr Leu Pro Ala Gly Trp Ser Tyr Thr Thr Phe Trp Gln Tyr Ala			
109	195	200	205	
112	Asp Ser Gly Pro Asn Pro Gly Asp Gln Asp Glu Phe Asn Gly Ser Met			
113	210	215	220	
116	Ala Gly Leu Lys Gln Leu Ala Leu Gly			
117	225	230		
120	<210> SEQ ID NO: 3			
121	<211> LENGTH: 34			
122	<212> TYPE: DNA			
123	<213> ORGANISM: Artificial			
125	<220> FEATURE:			
126	<223> OTHER INFORMATION: Upstream PCR primer for Seq ID no 1 having an EcoR1 site			
added				
128	<400> SEQUENCE: 3			
129	gcggaattca acatgaagct ctctaccaca gctc			34
132	<210> SEQ ID NO: 4			
133	<211> LENGTH: 36			
134	<212> TYPE: DNA			
135	<213> ORGANISM: Artificial			
137	<220> FEATURE:			
138	<223> OTHER INFORMATION: Downsteam PCR primer for Seq ID no 1 having a Not1 site			
added				
140	<400> SEQUENCE: 4			
141	atatgcggcc gcaaaggttac gaagctgcga attgtc			36

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/26/2006
PATENT APPLICATION: US/10/586,026 TIME: 17:59:24

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\07262006\J586026.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/586,026

DATE: 07/26/2006

TIME: 17:59:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\07262006\J586026.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)



IFWO

RAW SEQUENCE LISTING

DATE: 07/25/2006

PATENT APPLICATION: US/10/586,026

TIME: 15:08:35

Input Set : A:\01-SQ Listing-13 Jul 2006.txt
 Output Set: N:\CRF4\07252006\J586026.raw

3 <110> APPLICANT: Wu, Wenping
 4 Schnorr, Kirk Matthew
 6 <120> TITLE OF INVENTION: Fungal cell wall degrading enzyme
 8 <130> FILE REFERENCE: 10515.204-US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/586,026
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 10 <160> NUMBER OF SEQ ID NOS: 4
 12 <170> SOFTWARE: PatentIn version 3.3

ERRORED SEQUENCES

132 <210> SEQ ID NO: 4
 133 <211> LENGTH: 36
 134 <212> TYPE: DNA
 135 <213> ORGANISM: Artificial
 137 <220> FEATURE:
 138 <223> OTHER INFORMATION: Downsteam PCR primer for Seq ID no 1 having a Not1 site
 added
 140 <400> SEQUENCE: 4
 141 atatgcggcc gcaaaggttac gaagctgcga attgtc
 E--> 147 (3)

*Does Not Comply
Corrected Diskette Needed*

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/25/2006
PATENT APPLICATION: US/10/586,026 TIME: 15:08:36

Input Set : A:\01-SQ Listing-13 Jul 2006.txt
Output Set: N:\CRF4\07252006\J586026.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/586,026

DATE: 07/25/2006

TIME: 15:08:36

Input Set : A:\01-SQ Listing-13 Jul 2006.txt
Output Set: N:\CRF4\07252006\J586026.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:147 M:254 E: No. of Bases conflict, this line has no nucleotides.